

AMENDMENTS

IN THE ABSTRACT:

An electrical inductor circuit element comprising an elongate electrical conductor (1) coupled magnetically with thin layers of magnetic material (~~6, 7, 11, 12~~) extending along at least a part of the conductor above and below the conductor. The aspect ratio of the thickness of each of the layers (~~6, 7, 11, 12~~) of magnetic material to its lateral dimensions is between 0.001 and 0.5 and is preferably between 0.01 and 0.1. This range of aspect ratio has a high ferromagnetic resonance frequency.

The inductor preferably includes magnetic interconnections (~~13, 14~~) extending beside the conductor (1) and interconnecting the layers of magnetic material (~~6, 7, 11, 12~~) at positions where magnetic flux generated by electrical current flowing along the conductor is transverse to the layers.

~~Figure 7~~